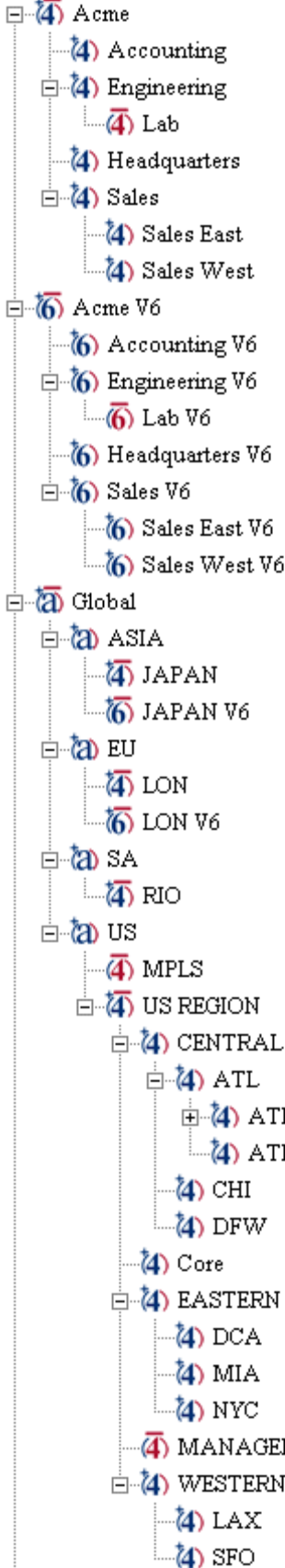




IPal.net Enterprise

The network engineer in a box



Proper addressing is vital to your network performance. Ensure the accuracy and efficiency of your IP addresses with full IP address life cycle management from IPal.net Enterprise by Internet Associates.

IPal.net is...

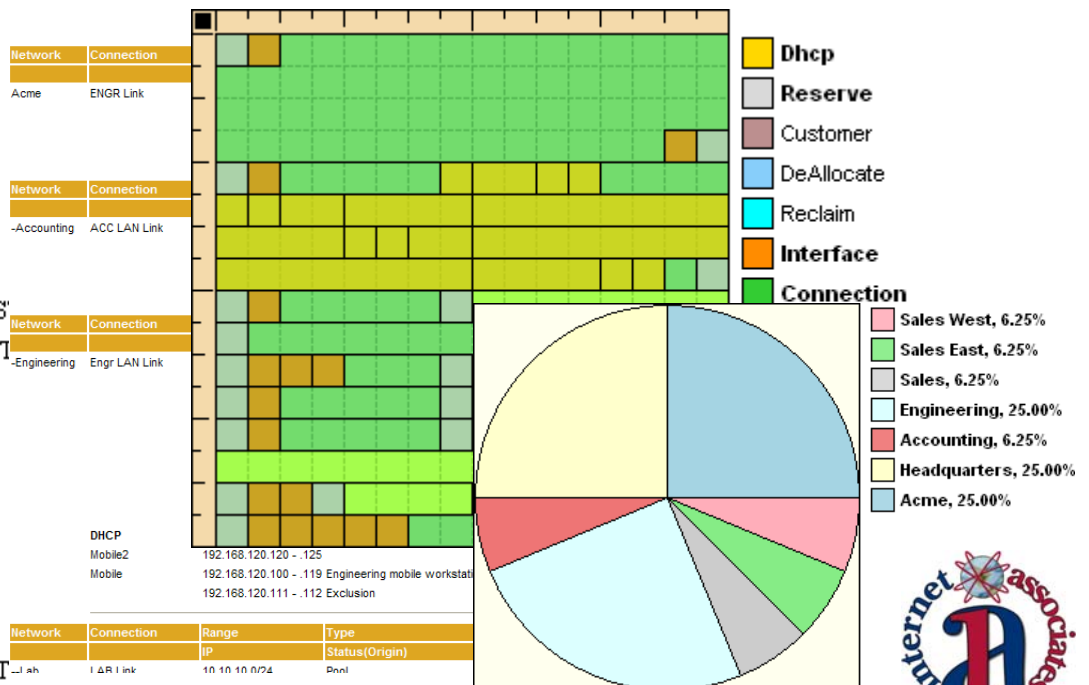
- On call, all the time
- Multi-user / multi access
- Accessible web-based interface
- Secured by customizable user accounts
- Fast - no waiting for a network engineer
- Accurate - no incorrect or duplicate addresses
- User friendly GUI to non-engineers



E0	10/100TX	Sales	ENGR Link	192.168.120.161/29	Sales LAN
E1	10/100TX	Acme	ENGR Link	192.168.120.226/30	Engineering
		V6	Sales Aux	2001:BC:0:10C0:9840:CE02:2115:97E6/64	

Helping your business...

- Speed up deployment
- Reduce downtime due to address errors
- Automate time-consuming address calculations
- Reduce network operating costs
- Report address usage by network, segment, equipment, and more in real time
- Adopt or convert to IPv6
- Interface with other network administration tools
- Scale with your growing network





Addressing features...

- Supports multiple instances of IP space
- Improves utilization of addresses
- Optimizes aggregation of addresses between regions
- Allocation is tunable to the needs of your network
- Prevents premature reuse of deallocated addresses
- Address reclamation capability for renumbering and merging networks.
- Supports IPv4, IPv6 and ASN
- Graphic representation of address space
- References network segments by name
- Equipment models with interface and DHCP allocations
- Automatic DNS generation from network architecture
- Bulk allocations

Address	Status
192.168.120.0	Reserve
192.168.120.1	Interface(Static)
192.168.120.2	Interface(Static)
192.168.120.3 - .19	Dhcp
192.168.120.20 - .30	Connection
192.168.120.31 - .40	Dhcp
192.168.120.41 - .47	Connection
192.168.120.48	Dhcp
192.168.120.49	Static
192.168.120.50 - .60	Dhcp
192.168.120.61 - .62	Connection
192.168.120.63	Reserve

Scope	Network	Connectic
HQ Services	Headquarters	HQ LAN L

Exclusion	Static
192.168.120.20 - .30	192.168.120.1
	192.168.120.2
	192.168.120.49

IPal.net Enterprise System Requirements

CPU	1 GHz (min / recommended)
Memory	500 MB / 1 GB
Disk	5 GB / 10 GB
Network	10/100 Mbps / 100 Mbps
O/S	Windows 2000 Server, Windows 2003 Server, Windows 2000 Professional, Windows XP Professional
Web Server	IIS 5.0 or higher
Database	SQL Server, Oracle or Sybase
Browser	IE 5.5 or higher, Netscape 6.0 or higher



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System details

Network Design	IPal calculates aggregate addresses according to network structure.
Accurate Allocation	IPal selects correct addresses and masks for equipment interfaces and network segments.
Connections	Identify network segments by name.
Device Support	IPal features configurable equipment templates and virtual interfaces.
CIDR Address Types	IPal supports ASN, IPv4, and IPv6 in one seamless interface.
Tunable Allocation	Adjust to favor address space utilization, route aggregation, or a balance of the two goals.
Address Distribution	IPal transfers address space throughout the network as it is needed.
Network Tree	IPal presents a visual representation of the network architecture.
DNS	IPal generates DNS strings for network equipment
DHCP	IPal designates DHCP scopes within network segments.
Address Map	IP address map provides an interactive view of IP address space, showing address status and usage.
Multiple Address Spaces	Represent distinct networks, multiple copies of private (RFC1918) space, or test copies.
Reports	Summaries and details of network configuration, equipment, address space and utilization.
Deallocation with Delay	IPal delays the re-allocation of released addresses, giving addresses time to expire in live equipment.
Accessibility	IPal is a web-based application, accessible from a browser with access to the IPal server.
User Accounts	IPal controls user access by functions, block sizes, and network hierarchy.
Reclamation	IPal collects free and deallocated addresses to facilitate renumbering, reorganizing and merging networks or returning addresses blocks.
Import	Imports XLS and XML formats
System Integration	IPal generates updates for external DNS and DHCP servers